

# Product data sheet

Specifications



Inductive proximity sensors XS,  
inductive sensor XS8 80x80x26,  
PBT, Sn60mm, 24...240VAC/DC,  
cable 2 m

XS8D1A1MBL2

## Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS8
Sensor design	Flat form 80 x 80 x 26
Size	26 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	40 mm flush mountable 60 mm non flush mountable
Discrete output function	1 NC
Output circuit type	AC/DC
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	24...240 V AC/DC 50/60 Hz
Switching capacity in mA	5...200 mA DC 5...300 mA AC
IP degree of protection	IP68 double insulation conforming to IEC 60529

## Complementary

Detection face	Frontal
Front material	PBT
Fine adjustment zone	20...40 mm flush mountable 20...60 mm non flush mountable
Differential travel	1...15% of Sr

Web: <https://www.bolenscontrol.com/> - Phone: (800) 658-5241 - Email: [sales@bolenscontrol.com](mailto:sales@bolenscontrol.com)

Cable composition	2 x 0.34 mm²
Wire insulation material	PvR
Supply voltage limits	20...264 V AC/DC
Maximum residual current	1.5 mA open state
Switching frequency	<= 150 Hz
Maximum voltage drop	<5.5 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	15 ms
Maximum delay response	0.3 ms
Maximum delay recovery	6 ms
Marking	CE
Depth	26 mm
Height	80 mm
Width	80 mm
Net weight	0.39 kg

## Environment

Product certifications	CCC Ecolab CSA UL
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	423 g
Package 1 Height	6.7 cm
Package 1 width	9.7 cm
Package 1 Length	13.2 cm
Unit Type of Package 2	S02
Number of Units in Package 2	14
Package 2 Weight	6.377 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>

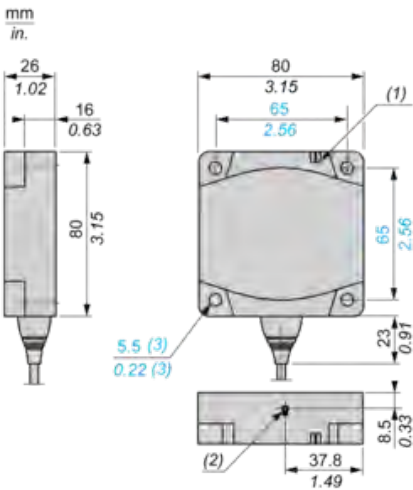
Web: <https://www.bolenscontrol.com/> - Phone: (800) 658-5241 - Email: [sales@bolenscontrol.com](mailto:sales@bolenscontrol.com)

Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to P65Warnings website

Contractual warranty

Warranty	18 months
----------	-----------

Dimensions

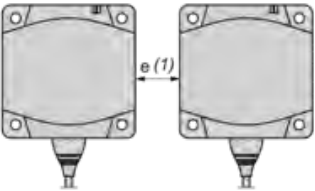


- (1) LED
- (2) Teach mode button
- (3) For CHC type screws

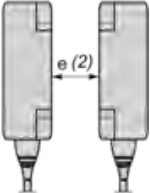
Setting-up

Minimum Mounting Distances (mm)

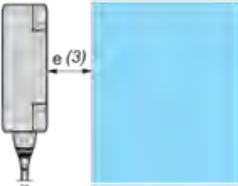
Side by Side



Face to Face



Facing a Metal Object

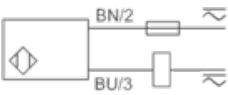


	e (1)	e (2)	e (3)
Flush mounted	200	400	40
Not flush mounted	600	not recommended	

Wiring Schemes

---

2-Wire NC Output



BU : Blue  
BN : Brown